

Appl. No. 10/017,120
Amdt. Dated Jan. 23, 2004
Reply to Office Action of October 23, 2003

Amendments to the Specification:

On page 2, please amend paragraphs [0006] and [0007] as follows.

[0006] Another object of the present invention is to provide an improved optical fiber connector having a door ~~is~~ received in a housing of the optical fiber connector when a fiber plug is inserted in the housing.

[0007] Another object of the present invention is to provide an optical fiber connector having ~~an~~ a spring member for applying a spring force to a fiber plug mated with the optical fiber connector.

On page 3, please amend paragraph [0010] as follows.

[0010] The insert body is inserted into an inserting hole of the housing and mounted therein, and covers the inlet side of the inserting hole. ~~And~~ an opening of the insert body communicates with the inserting hole of the housing. A faceplate of the insert body communicates with the inserting hole of the housing. A faceplate of the insert body and a flange of the housing hold the fixing portion of the door therebetween, thus mounting the elastic body. ~~And~~ a protuberance of the faceplate engages with the indentation of the door, helping stably mount the door. The door attached to the inlet side of the inserting hole closes the opening of the insert body to prevent dust and vapor from entering the inserting hole. The spacer is inserted into the housing and engages with the housing by coupling keys of the spacer with notches of the housing. The optical element is mounted in a mounting aperture of the housing by engaging the spacer to the housing.

On page 4, please amend paragraph [0023] as follows.

[0023] As shown in FIGS. 1 and 2, an optical fiber connector 3 comprises an insert body 31, and a door 33, a housing 35.

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On page 5, please amend paragraph [0028] as follows.

[0028] In assembly, as shown in FIG. 4, the insert body 31 is inserted into the inserting hole 351 of the housing 35 and is mounted therein by coupling the keys 313 of the insert body 31 with notches (not shown) of the housing 35. ~~And~~ The faceplate 315 of the insert body 31 covers the inlet side of the inserting hole 351. The opening 317 of the insert body 31 and the inserting hole 351 of the housing communicate with each other. The faceplate 315 and the front flange 353 hold the fixing portion 335 of the door 33 therebetween, thus mounting the door 33 in position. ~~And~~ a protuberance 319 of the faceplate 315 engages in the indentation 339 of the door 33, helping to stably mount the door 33. The door 33 attached to the inlet side of the inserting hole 351 closes the opening 317 of the insert body 31 to prevent dust and vapor from entering the inserting hole 351. The spacer 39 is inserted into the housing 35 and engages with the housing 35 by the keys 391 of the spacer 39 coupling with keys (not labeled) of the housing 35. The optical element 37 is mounted in the mounting aperture 355 by engaging the spacer 39 with the housing 35.

On page 6, please amend paragraphs [0029] and [0030] as follows.

[0029] As shown in FIGS. 5 and 6, the fiber plug 5 comprises a fiber 51 made ~~from~~ of glass or plastic and a ferrule 55. The shutter 331 of the door 33 is bent inwardly in the housing 35 by insertion of the fiber plug 5, until the fiber plug 5 is completely inserted into the housing 35.

[0030] Referring to FIG. 7, the fiber plug 5 is received in the insert body 31 and the housing 35. ~~An~~ End of the ferrule 55 is received in the inserting aperture 355 of the housing 35. The shutter 331 of the door 33 is bent substantially perpendicularly to the fixing portion 335. The spring member 333 is received in the recess 352 of the housing and applies to provide a force to press the shutter 331 to contact the fiber plug

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5 tightly. The fiber plug 5 is thus stably mounted in the housing 35 because of pressing force from the shutter 331 of the door 33.